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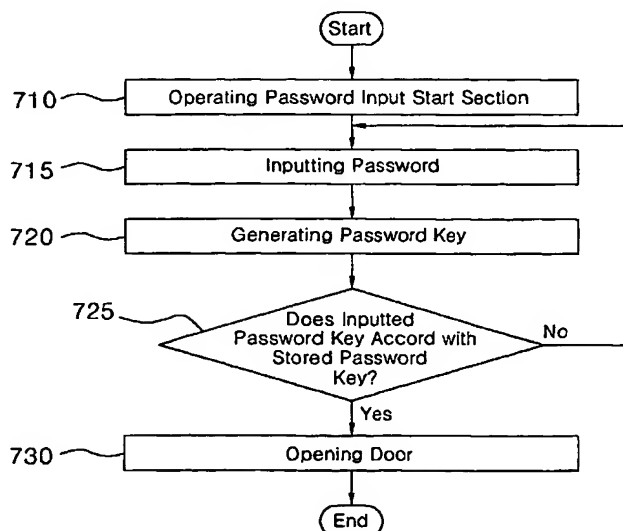
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(54) Title: **APPARATUS FOR OPENING/CLOSING THE DOOR**



(57) Abstract: The present invention refers to an apparatus for opening/closing the door according to the determining results whether or not password accords or not, based on the arrangement order and the number of the password. The present invention has a plurality of touch sensor arranged in a character shape. A password is inputted to controller in a character shape using a plurality of touch sensor. The controller enables the door to open according to the determining results whether or not a password inputted to the controller accords with a predetermined password. Hence, the present invention offers a password easy to store using a password of a character shape and provides a more reliable security as the password identification systematizes, by opening/closing the door using a password of character shape.

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INTERNATIONAL SEARCH REPORT

International application No. .
PCT/KR02/00371**A. CLASSIFICATION OF SUBJECT MATTER**

IPC7 E05B 49/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

E05B*, G06K9/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1975

KOREAN UTILITY MODELS AND APPLICATIONS FOR UTILITY MODELS SINCE 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

NPS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR10-2002-0019223 A (HA, Jae-Woo) 12 MARCH 2002(12.03.2002) See the whole document	1-23
A	JP11-229688 A (KA SHIYUNKOU) 24 AUG. 1999(24.08.1999) See the abstract, claim 1-3, figure 1-3	1,7,9,10,11,13,16,17, 19,22
A	JP8-218695 A (FUJITSU GENERAL LTD.) 27 AUG. 1996(27.08.1996) See the abstract, claim 1, figure 1-4	1,7,9,10,11,13,16,17, 19,22
A	JP63-35979 A (NIPPON DENKI LTD) 16 FEB. 1988(16.02.1988) See the abstract, figure 1(a),(b)	1,9,10,13,14,16

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR10-2002-0019223 A	12.03.2002	NONE	
JP11-229688 A	24.08.1999	WO99/41477	19.08.1999
JP8-218695 A	27.08.1996	NONE	
JP63-35979 A	16.02.1988	NONE	